

Minutes of the Eastham Water Management Committee Meeting of April 10, 2018

Chair Adele Blong called the meeting to order at 2:00pm in the Earle Mountain Room of Town Hall. Present also were members Roberts, Lewis, Harris, Bryan and Bumby. Eastham Health Agent Jane Crowley was also in attendance, joining the meeting at 2:04pm.

Any documents distributed prior to or during this meeting are listed at the end of these minutes.

The draft minutes of the February, 2018 meeting were projected on screen and amendments solicited. There were clarifications offered but no substantive changes. It was moved by Harris and seconded by Lewis to accept the February minutes as amended. The motion carried. The March, 2018 draft minutes were projected and read. It was moved by Harris to accept the minutes as presented and seconded by Roberts. The motion carried.

Health Agent Crowley gave an update on the work her department is doing for the benefit of the Committee. Crowley noted there is a permit pending to install monitoring wells on National Seashore property to measure pollution effects on Salt Pond. Aquaculture feasibility study for Salt Pond will begin soon under the consultant Sciencewares. A grant application is being pursued to study the effects of storm water runoff into Salt Pond. It is also anticipated that funds would be used to study the replacement of the culvert under Great Pond Rd. to the east into Debra's Pond to enable fish movement. Summer water monitoring is about to begin and training will be offered; the towns of Orleans and Chatham will also be involved. APCC and the Eastham Health Department will offer a program May 2nd at the Eastham Library on rain gardens and bio swales. These methods are being used to control storm water before emptying into a water body.

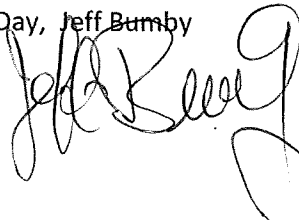
Blong went over the Warrants that will be considered at the Eastham Town meeting on May 7th (a detailed description of the Warrants is attached to these minutes). The town under Article 15 will be asked to allocate \$470,000. for wastewater engineering for Salt Pond remediation and mitigation of pollution at Schoolhouse and Minister's Pond. Article 16 asks the town to spend \$1,300,000. for improvements to the infrastructure at Rock Harbor. Article 39 if passed would appropriate \$200,000. for engineering and permitting work leading up to the dredging of the Nauset Estuary.

The Committee took up the discussion of its webpage revision led by Roberts. Following considerable discussion, the Committee agreed that the webpage should contain 5 menu headings, municipal water system, freshwater ponds, estuaries/embayments, wastewater issues and other water quality issues. Blong agreed to determine if studies produced in prior years exist and what is their location.

Documents distributed prior to and during this meeting;
Agenda for April 10, 2018 meeting
Town of Eastham Annual Town Meeting – Warrants
Contents of WMC Webpage as of 4/9/2018 – Blong
Questions for Webpage Revision – Roberts
Proposed 5 menu items – Roberts

There being no further business to come before the Committee, Harris moved and Lewis seconded a motion to adjourn. Carried at 4:07pm.

Clerk of the Day, Jeff Bumby



pAGENDA
Eastham Water Management Committee
Earle Mountain Room, Town Hall April 10, 2018 2:00 PM

1. Approval of Minutes of February meeting and March meeting-- Bryan
2. Report from Health Agent on topics such as landfill developments, Schoolhouse/Minister developments, progress on techniques to reduce Salt Pond nitrification, watershed reports and other matters—Crowley
3. Committee Webpage discussion – Roberts
4. Discussion of Warrant Article 15 and Ballot Question 1 related to nitrogen remediation in Salt Pond and remediation of Schoolhouse/Minister Pond and review of remediation planning for Salt Pond and Schoolhouse/Minister– Blong
5. Discussion of Warrant Article 16 and Question 2 related to Rock Harbor improvements – Blong
6. Update on study of and permitting for dredging of Nauset Estuary, Warrant Article 39, Question 4 - Blong

TOWN OF EASTHAM ANNUAL TOWN MEETING, MAY 7, 2018

**TOWN OF EASTHAM
ANNUAL TOWN MEETING WARRANT
WITH FINANCE COMMITTEE REPORT AND RECOMMENDATIONS**

**TOWN MEETING
MAY 7, 2018
7:00 P.M.
NAUSET REGIONAL HIGH SCHOOL GYMNASIUM
100 Cable Road, North Eastham, MA**

**ANNUAL TOWN ELECTION
MAY 15, 2018
POLLS OPEN 7:00 A.M. - 8:00 P.M.
EASTHAM TOWN HALL
2500 STATE HIGHWAY
EASTHAM, MA**

**Special Pre-Town Meeting for Presentation/Discussion of Articles
Wednesday, April 25, 2018
6:00 P.M.
Eastham Public Library**

Please bring this warrant to Town Meeting

Warrant also available on the town website www.eastham-ma.gov

TOWN OF EASTHAM ANNUAL TOWN MEETING, MAY 7, 2018

ARTICLE #	TABLE OF CONTENTS	PAGE #
1	GREENHEAD FLY CONTROL	7
2	DEP LIABILITY	7
3	NAUSET REGIONAL SCHOOL FUNDING AGREEMENT	7
4	VISITORS SERVICES BOARD	8
5	CHAMBER OF COMMERCE GRANT	8
6	CONTRIBUTE TO OPEB TRUST RESERVE	8
7	CONTRIBUTE TO STABILIZATION FUND	9
8	FY 18 TRANSFERS	9
9	ELECTED OFFICIALS SALARIES	9
10	TOWN CLERK POSITION FROM ELECTED TO APPOINTED	10
11	ESTABLISH & FUND EASTHAM 400 COMMEMORATION COMMITTEE (2020)	10
12	MUNICIPAL OPERATING BUDGET	10-14
13	FY19 CAPITAL ACQUISITION ARTICLE	15-17
14	FIVE YEAR CAPITAL PLAN	17-23
15	WASTEWATER CAPITAL	24
16	ROCK HARBOR IMPROVEMENTS	24
17	POLICE STATION ROOF & RENOVATION	25
18	ZONING – ALLOW 200 SQ FT ACCESSORY BUILDING	25
19	ZONING – ALLOW MUNICIPAL USES	26
20	ZONING – DELETE ONE DEFINITION OF BUILDING HEIGHT	26
21	ZONING – EXTEND PERIOD OF SPECIAL PERMIT FROM 1-3 YEARS	26-27
22	ZONING – NEW DISTRICT (DCPC)	27-49
23	ZONING – RETAIL MARIJUANA REGULATIONS	50-52
24	LOCAL OPTION TAX ON RETAIL MARIJUANA SALES	52-53
25	LOCAL OPTION MEALS TAX	53
26	PERMISSION TO LEASE TOWN PROPERTY	53
27	ANIMAL BYLAW – DISPOSAL OF WASTE & TETHERING	53-55
28	CPA – ESTIMATED REVENUE ALLOCATIONS	55
29	CPA – ADMINISTRATIVE EXPENSES	55
30	CPA – DEBT PAYMENT	55-56
31	CPA – EASTHAM AFFORDABLE HOUSING TRUST PROGRAMS	56
32	CPA – CAPE HOUSING INSTITUTE	56
33	CPA – CAMPBELL-PURCELL COMMUNITY HOUSING DEVELOPMENT	56-57
34	CPA – WINDMILL REPAIRS	57
35	CPA – CHAPEL IN THE PINES	57-58
36	CPA – FIELD OF DREAMS	58
37	CPA – RANLETT TOOL MUSEUM	58
38	CPA – CONSERVATION LAND PURCHASE 390 LOCUST ROAD	59-60
39	BY PETITION – ENGINEER/PERMITTING DREDGE NAUSET ESTUARY	61
40	BY PETITION – UNIFORM TOWN RECORDS	61-62
41	ACCEPT PUBLISHED REPORTS	62

TOWN OF EASTHAM ANNUAL TOWN MEETING, MAY 7, 2018

TOWN OF EASTHAM ANNUAL TOWN MEETING WARRANT

Commonwealth of Massachusetts
Barnstable, ss. ~

To: Either of the Constables of the Town of Eastham
In the County of Barnstable

In the name of the Commonwealth of Massachusetts you are hereby directed to notify and warn the inhabitants of said Town qualified to vote in Elections and Town affairs to meet at the Nauset Regional High School Gymnasium, Monday, the seventh day of May, Two Thousand and Eighteen, at Seven o'clock in the evening, then and there to act on the following articles in this Warrant and to meet in the Eastham Town Hall at 7:00 a.m. Tuesday, the fifteenth day of May next, then and there to elect the following Town Officers:

Board of Selectmen	One three-year term (Vote for one)
Library Trustee	One three-year term (Vote for one)
Housing Authority	One five-year term (Vote for one)
Elementary School Committee	One three-year term (Vote for one)
Nauset Regional School Committee	One three-year term (vote for one)

and to act on the following questions:

QUESTION 1

Shall the Town of Eastham be allowed to exempt from the provisions of proposition two and one half, so called, the amount required to pay for the bonds issued for costs associated with continuation of the wastewater engineering and testing for alternative systems for Salt Pond remediation, a grant match for the Salt Pond drainage improvements, and to mitigate the effects of pollution on Schoolhouse and Minister's Pond, including all costs incidental or related thereto?

TOWN OF EASTHAM ANNUAL TOWN MEETING, MAY 7, 2018

QUESTION 2

Shall the Town of Eastham be allowed to exempt from the provisions of proposition two and one-half, so-called, the amount required to pay for the bonds issued for costs associated with the Rock Harbor Improvement Plan - Phase I, including replacement, construction and improvements to the Rock Harbor Marina area, docks, pilings, floats, the Harbormaster building, parking, improved access to commercial docks, water, electrical, all related engineering and permitting costs, and all other costs incidental and related thereto?

QUESTION 3

Shall the Town of Eastham be allowed to exempt from the provisions of proposition two and one-half, so-called, the amount required to pay for the bonds issued for costs associated with replacement of the police station roof and renovation of the locker rooms, kitchen, and training rooms, and all architectural and planning costs related to this renovation, and all other costs incidental or related thereto?

QUESTION 4

Shall the Town of Eastham be allowed to exempt from the provisions of proposition two and one-half, so called, the amount required to pay for the bonds issued for costs associated with funding the engineering study and obtaining permits to dredge Nauset Estuary, including all costs incidental and related thereto?

POLLS OPEN 7:00 A.M. AND CLOSE AT 8:00 P.M

ARTICLE 15 (WASTEWATER)

To see if the Town will vote to raise and appropriate, borrow and/or transfer from available funds the sum of **\$ 470,000** for costs associated with continuation of the wastewater engineering and study for alternative systems for Salt Pond remediation, a grant match for the Salt Pond drainage improvements; and to mitigate the effects of pollution on Schoolhouse and Minister's Pond, including all costs incidental or related thereto; and further that such appropriation shall not take effect until after a positive vote to exempt from the limitation on taxes under G.L. c59 §21C (proposition 2 ½ so called); or take any action relative thereto.

By Board of Selectmen

Summary:

The Town has developed a five-year plan to address continuing wastewater needs and planning to comply with the 208 Plan. The plan addresses the need for denitrification of our resource areas (Salt Pond, Nauset Estuary, and Rock Harbor) and ponds without a traditional sewer system. In addition, this year we are fortunate to have the possibility of a large grant of \$750,000 to install drainage systems that will prevent storm water runoff into Salt Pond. However, the grant requires a 25% or \$250,000 match from the Town which is included in the \$470,000 for the article. Acceptance of this article will allow the Town to continue its engineering and planning efforts to address alternative technologies such as permeable reactive barriers and the use of shellfish for wastewater mitigation at Salt Pond, begin remedial efforts in Schoolhouse and Minister's Ponds, and complete the essential drainage project.

BOARD OF SELECTMEN RECOMMENDATION: 5-0

FINANCE COMMITTEE RECOMMENDATION: 7-0

(2/3 Majority vote required)

ARTICLE 16 (ROCK HARBOR)

To see if the Town will vote to raise and appropriate, borrow and/or transfer from available funds, the sum of **\$ 1,300,000** for costs associated with the Rock Harbor Improvement Plan - Phase I, including replacement, construction and improvements to the Rock Harbor Marina area, docks, pilings, floats, the Harbormaster building, parking, improved access to commercial docks, water, electrical, all related engineering and permitting costs, and all other costs incidental and related thereto; and further that such appropriation shall not take effect until after a positive vote to exempt from the limitation on taxes under G.L. c59 §21C (proposition 2 ½ so called); or take any action relative thereto.

By Board of Selectmen

Summary:

The Eastham portion of Rock Harbor has been an underutilized resource for residents, boaters, and recreational/commercial fishermen of the Town for many years. In 2010 the Town completed a study for the improvement of Rock Harbor, but it was not brought forward to Town Meeting. Repairs and dock replacements have been continuously deferred until the complete plan was approved by Town Meeting and are long overdue. Acceptance of this article will allow the Town to move forward with improvements to the Harbor area including: complete dock & pier replacement, improving parking and accessibility, creating a small Harbormaster building, and improving access to the commercial dock area. If approved, permitting and design will continue and dock, pier and float replacement will occur beginning in spring of 2019.

BOARD OF SELECTMEN RECOMMENDATION: 5-0

FINANCE COMMITTEE RECOMMENDATION: 5-2

(2/3 Majority vote required)

ARTICLE 39 (ENGINEERING/PERMITTING TO DREDGE NAUSET ESTUARY)

To see if the Town will vote to raise and appropriate, transfer from available funds, or borrow the sum of \$200,000, more or less, for the purpose of funding the engineering study and obtaining permits to dredge Nauset Estuary, including all costs incidental and related thereto; provided that said appropriation of funds shall be contingent on a positive vote to exempt the amount from the limitation on taxes under G.L c 59 Section 21C (proposition 2 ½ so called); or take any action relative thereto.

BY PETITION

SUMMARY BY PETITIONER

The Nauset Estuary is a body of water we share with the Town of Orleans. The amount of sediment that has filled in Nauset Estuary is impacting safe navigation. Dredging the Nauset Estuary was a past practice. The policy to abandon this method of maintain the Nauset waterway has created a risk to all boaters. This \$200,000, more or less, will be used to acquire permits and complete the engineering study with the Town of Orleans, who is currently invested in this project.

SUMMARY (Town's position): The total amount of money needed for this study and permitting process is estimated at \$410,000. The Town of Orleans has authorized \$336,000 for this purpose at their Town Meeting and entered into a contract with the Woods Hole Group to complete the study, engineering and permitting for the project.

BOARD OF SELECTMEN RECOMMENDATION: *Reserved to Town Meeting*

FINANCE COMMITTEE RECOMMENDATION: 1-7 (*See report note on page 6*)
(*4/5 Majority vote required*)

Contents of WMC Webpag as of 4/9/18

Items marked by ☒ are items for which I am recommending an action other than deletion.

CWMP Project Newsletter recommendation: delete the folder and its contents

Contains only the newsletter which I a report on the 2009 wastewater Issues Study which is on the Health Dept.s wastewater page. The n/l belongs there if anywhere.

Eastham Water Consumer Confidence Report recommendation: Delete the folder and its contents

Contains only a purported 2017 water quality report for the Municipal Water System which is not a 2017 report but rather a copy of the 2016 report with a different date. The 2016 report is on the Water Project page which presumably also will be the repository of subsequent reports.. Our MWP folder will contain a link to the Water Project page.

Municipal Water Project Maps recommendation :Delete the folder and its contents

Covered by above-mentioned link to Water Project page

Ponds Proposals, Studies & Reports

- [Ponds Proposals, studies & Reports](#)

- [Implementation Project for Management of Great Pond](#)

- ☒ 1991 report on Groundwater Monitoring Program for the Management f Great Pond – recommendation delete if available at Library, otherwise archive

- [A Diagnostic/Feasibility Study for the Management of Herring Pond 2 \(big pdf\)](#)

- ☒ 1987 study recommendation: delete if available at Library, otherwise archive

- [A Diagnostic/Feasibility Study for the Management of Herring Pond 3 \(big pdf\)](#)

- ☒ 1987 study - recommendation: delete if available at Library, otherwise archive

- [Draft Water Quality Standards and Recommendations for Future Activities](#)

- Recommendation – delete, replaced by item listed below

- [Water Quality Standards and Recommendations for Future Activities Final Rpt](#)

- ☒ 2009, often referred to as “the Eichner report”, report on Health Dept website under Freshwater Ponds, 2009 Water Quality Reports – recommendation: identify on our page in appropriate folder with full title including date and link to item on Health Dept page

- [Final Report Ponds Action Plan 05/14/12](#)

- ☒ On Health Dept. Freshwater Ponds page under "2011 Pond Action Plan" recommendation list as "Action Plan for the Town of Eastham Ponds Final December 2011, rev'd May 2012" in appropriate folder and link to item on Health Dept. page

- [Request for Proposals 3/31/11- Ponds](#)

- This was RFP that led to above mentioned Action Plan, recommendation: delete

- [Draft Plan to Protect Pond Water Quality](#)

- This was replaced by final plan listed below recommendation: delete

- [Comprehensive Plan to Protect Pond Water Quality v1 0 11/18/14](#)

- ☒ This plan was prepared by the WMC recommendation: retain and place in appropriate folder

- [Pond Water Quality Protection Plan v1.0](#)

- This is a duplicate of the item listed above recommendation: delete

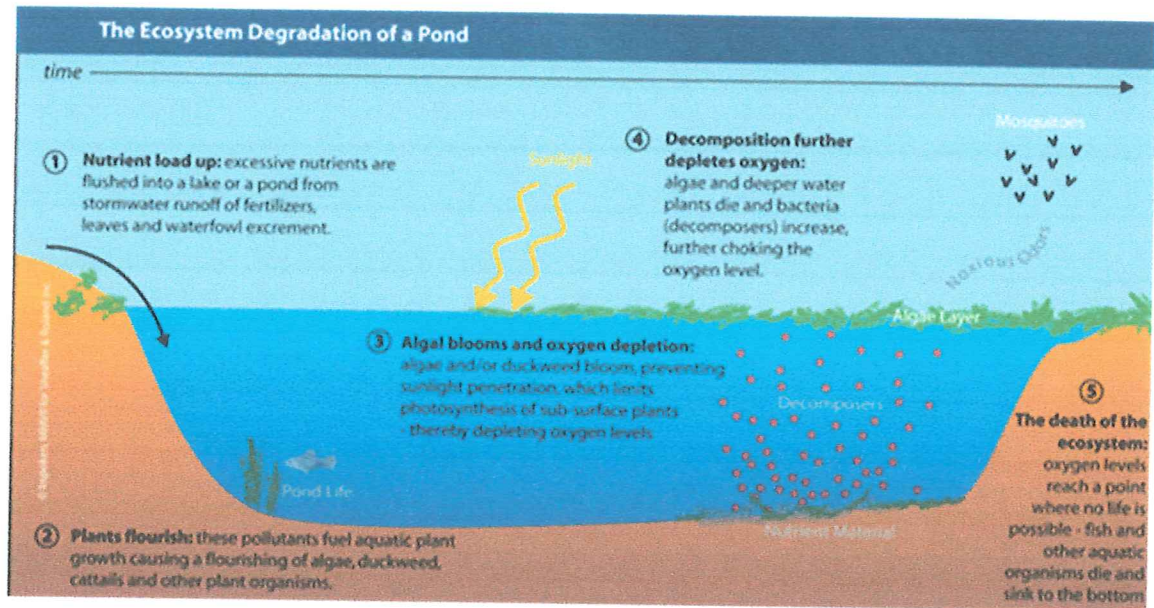
- [11 Ponds 2002 – 2010](#) title is incorrect only ponds

- [Widow Harding](#)
 - [2006 field data all ponds](#)
 - [Bridge](#)
 - [Depot](#)
 - [Herring](#)
 - [Little Depot](#)
 - [Minister's](#)
 - [Moll's](#)
 - [Muddy](#)
 - [School House](#)

- ☒ As reflected in the title, these reports are not up to date. Also they contain the raw sampling data without any analysis of what they show as to water quality, trends, etc. We have Eichner's June 2009 assessment of the data from 2001 through 2006 and the reference to that assessment and the assessment of the 2008-2010 data by Ecologic in The Action Plan. In addition, these folders are only on set of the folders that were under the 11 ponds topic on the old website and would have to be checked against those folders to see if they contain all the data for the listed years. I spent some time unraveling them in the past but we need to decide whether these reports and updates are going to remain on WMC page or go to Health Dept. page. Sandy has the post 2010 reports. Health Dept. may also.

- [Freshwater Ponds Water Quality Status Reports](#)

- [PNG Image](#)



☒ Graphic of the Ecosystem Degradation of a Pond. It's also on the Health Dept. page. It's a good graphic explanation of what happens but it's posted in both places at a size that is difficult to read.

- [Bitmap Image](#) -- delete

Picture of a sailboat from cover of WMC pond protection plan

- [Bitmap Image](#) delete

Eastham map with markings as to location of 17 ponds identified by a WMC member. No need to keep. It's in the plan and can be downloaded from there if need be.

- [Fresh Water, Pond Sampling Results Website](#) delete

Link to Barnstable Co. Dept. of Health table of Beach Sampling results

- [Fish Kills Website](#) delete

Link to Mass govt website instructions on how to report a fish kill. At the very least it needs a more informative title like "what to do if you find a fish kill", "how to report a fish kill. I've told the Conservation Agent about the Mass. page

- [Public Beaches and Ponds Sampling Results 2014](#) delete

Wastewater Proposals, Studies & Reports

- WWM Planning Report June 2009 – delete, link doesn't work and item referred to is the last item in this list
- Final Interim Needs Assessment & Alternatives Screening Analysis Report Mar 2009 – find out if link is broken

☒ Not on Health page now. Asked Jane if she wants it. If so, we'll link to it

- [Final Interim Assessment & Alternatives Screening Analysis Report-Summary](#)

- This is the Executive Summary from the Final Report, folder and contents should be deleted
- [Final Wastewater Mgt Planning Executive Summary](#) - delete folder and
 - ☑ link to 2009 Waste Water Management Planning Project Evaluation Report in Health Department page
- [Wastewater Report to BOS 9/21/09](#) delete folder, contents relate to the presentation on above-listed item,
 - ☑ Health Dept. may want to post on its page

Jeff Bumby

From: "MaryLou Roberts" <roberts.marylou001@gmail.com>
Date: Wednesday, April 04, 2018 1:07 PM
To: "Suzanne Bryan" <SBryan349@gmail.com>; "Scott Lewis" <s46l@yahoo.com>; "Charles Harris" <cdh800sam@yahoo.com>; "Jeff Bumby" <JeffBumby@comcast.net>; "Adele Blong" <capeporter@comcast.net>; "Jane Crowley" <jcrowley@eastham-ma.gov>
Subject: For April 10 meeting

Hi, all. Getting ready for next week's meeting, I hope you're spending some time on our web page and that of the Health Department. Here are questions we need to pursue at the meeting:

Do you have any alternatives to bringing content from the Health Department site? What are they? How would they work?

If you are satisfied with that approach, which topics would you include?

There are two spaces we can use for "water news" (upper right, replacing contact info in lower left). Should we have two "news" boxes, each with its own type of content? What should we highlight? How will we go about identifying pieces of content?

Happy exploration!
ML

--

Mary Lou Roberts

Professor Emeritus of Management and Marketing
University of Massachusetts Boston

www.marylouroberts.info

Twitter: @mlr001

[My Pinterest boards](#)

[Collections for Social Media Marketing chapters](#)

[Google+ Community for IM teachers](#)

[Facebook page for IM teachers and students](#)

Zahay, Roberts, Parker new authors of 2nd ed [Social Media Marketing: A Strategic Approach](#)
also [on Amazon](#)

[Internet Marketing Textbook in print and electronic form](#)

Proposed 5 menu items

Municipal Water System

Freshwater Ponds

Estuaries/Embayments

Wastewater Issues [Not a very informative title since wastewater issues are involved in all three of the other items but what I have in mind is a place for material that cuts across two or three of the other folders.

Other Water Quality Issues

My general thinking is to make the naming of the categories as informative as possible and to use subfolders in each category to separate the different types of items in each category. That may not work because of the "three clicks" policy but I wonder if that policy outweighs organizational simplicity for a user. I also would like to take the document listing that Charles has developed and break it down into separate listings that could go under each category. I would first review the listing to see what items seem to fit in this scheme.